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RCAP

464C-JWH-5298  
30 July 2002



Mr. Jerome Johnson  
U.S. Environmental Protection Agency Region VII  
901 North Fifth Street  
Kansas City, Kansas 66101

Enclosure: Corrective Action Quarterly Progress Report-  
Second Quarter 2002

Dear Mr. Johnson:

The enclosed Quarterly Progress Report is submitted as required by Section XI. of the Corrective Action Conditions of the Hazardous Waste Management Facility Permit, Number MOD 000 818 963. Three copies of the report will also be submitted to the Missouri Department of Natural Resources as required under the terms of the permit.

Please contact me should you need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Haake".

Joseph W. Haake, Group Manager  
Environmental and Hazardous Materials Services  
Dept. 464C, Bldg. 220, Mailcode S221-1400  
(314) 232-6941



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RCRA RECORDS CENTER

## **Quarterly Progress Report for Second Quarter 2002**

### **Description of the work completed**

On June 19 a pilot study to determine the effectiveness of hydrogen release compound (HRC) to remedy the TCE contamination at the Former Fabrication Operations Site was initiated. The HRC was applied to the shallow groundwater between 5 and 20 feet below grade in a 625 square foot area located around monitoring well MW-3. Nine injection holes were spaced on 10-foot centers in a grid pattern around MW-3. A total of six pounds of HRC was applied per linear foot (90 pounds per each injection point). A Geoprobe drilling unit was utilized for the injection points using the direct push method. The HRC was injected under pressure through 1.25 inch direct push rods.

Two monitoring wells were installed near MW-3 on June 10. One well (MW-3A) was installed up gradient of MW-3 and the other (MW-3B) was installed down gradient. Groundwater was sampled from these wells, along with MW-3, prior to the HRC injection. The wells will be sampled quarterly.

### **Summary of all findings**

None

### **Summary of all problems or potential problems and actions taken to rectify problems**

Monitoring well MW25-5C, which was accidentally covered by a concrete sidewalk during the first quarter, was uncovered. The well was in good condition.

### **Projected work for the next reporting period**

Upon MDNR approval, install additional borings at SWMU #17 as, described in the Annual Monitoring Report, to determine the extent of contamination to the south.

Continue quarterly monitoring well sampling at SWMU #17 and at the Former Fabrication Operations site.

### **Instances of noncompliance with the corrective actions of the permit**

None

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